Shenzhen Xinersheng Technology Co., Ltd.

ShenZhen XinErSheng Technology Co.,Ltd

Acknowledgement

SPECIFICATION FOR APPROVAL

customer name：_____

Product Name: NEW-WIFI Antenna-FPC-2.4G-5dBi-Square-White-RF Coaxial Cable 360mm with Clip

Customer part number: _____

Manufacturer part number: XESANT11A15902

Sample quantity: 5PCS

Fabrication	Examine and verify	Approval	Sample submission date
Zhang Siyong	Fang Lizhi	Li Qinghui	2024.07.23

Customer acknow-ledges:

Admit	Examine and verify	Approval	Recognition date

Acknowledged:☑new product ☐ Product Change

Recognize project:☐The admission is in duplicate.☐Sample 5PCS

Conclusion:☐receive ☐refuse

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Email: liqinghui@xinershengant.com

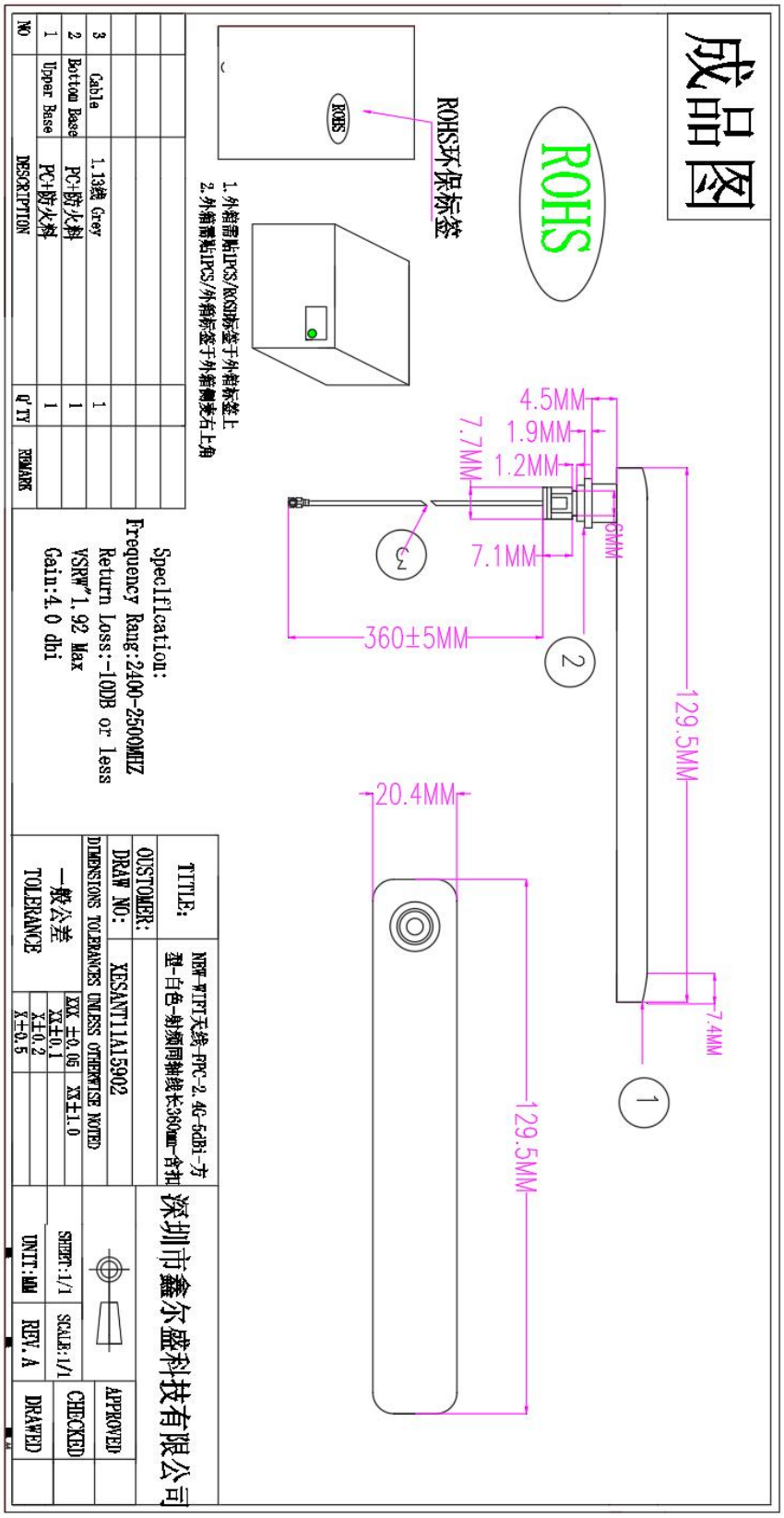
Key Technical Specifications of the Product

Key technical parameters		Main technical specifications	
Frequency range (MHz)	2400-2500MHZ	Frequency Range(MHZ)	2400-2500MHZ
Center frequency Characteristic impedance (Ω)	50±10	Impedance(Ω)	50±10
Gain （DB）	5	Gain（dBi）	5
Reflection loss	≤-10	ReTurnLoss(dB)	≤-10
Output voltage standing wave ratio	≤2	VSWR	≤2
Polarization mode	Vertical polarization	Polarization	Linear Vertical
Attended mode	IPEX	Connector Type	IPEX
Physical characteristics		Physical Properties	
Antenna body material	ABS	Antenna Base	ABS
Working temperature	-20℃-+60℃	Operating Temp	-20℃-+60℃
Storage temperature	-20℃-+70℃	Storage Temp	-20℃-+70℃

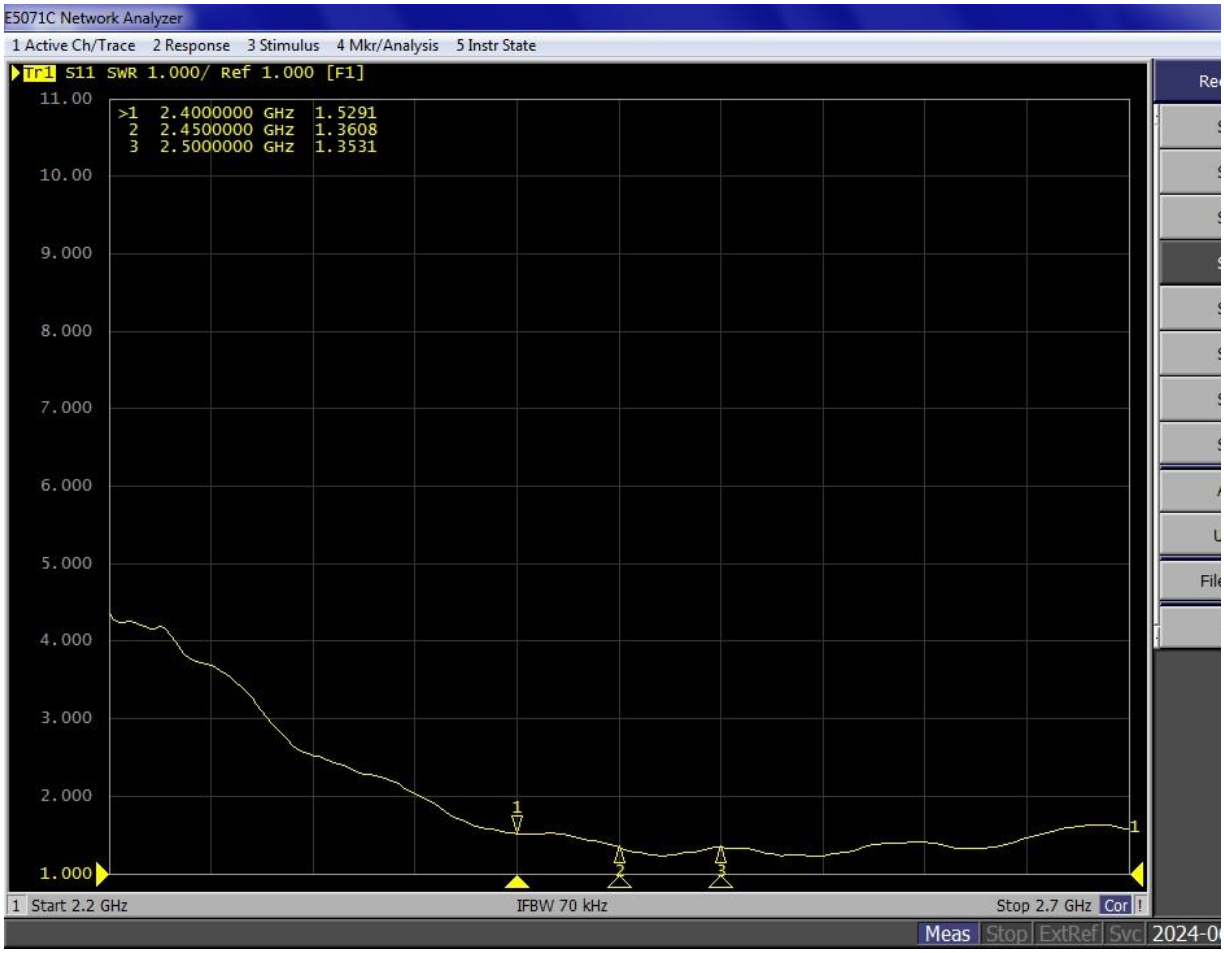
Raw Materials List:

Component ID	Component name	Main material of raw materials	Usage quantity	Unit		Remarks
1	Shell part	Pc+ fire resistive material	1	PCS		
2	r-f line	1.13 Gray line	395	MM		

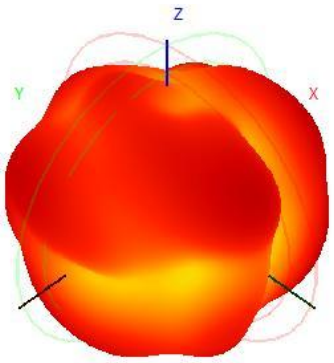
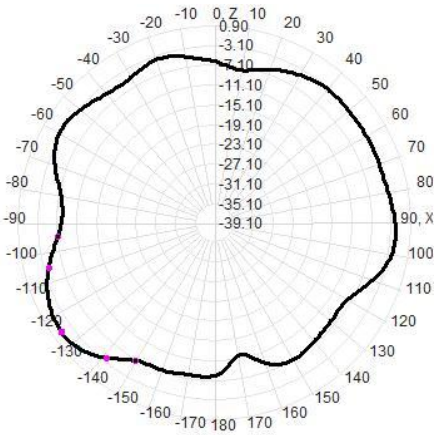
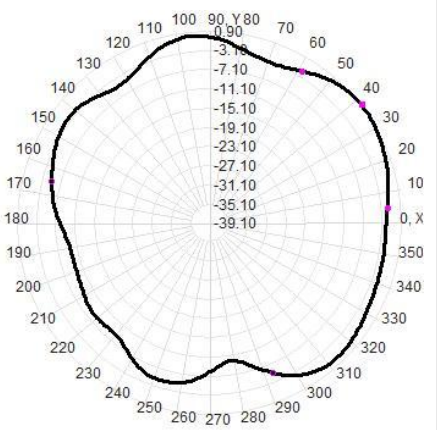
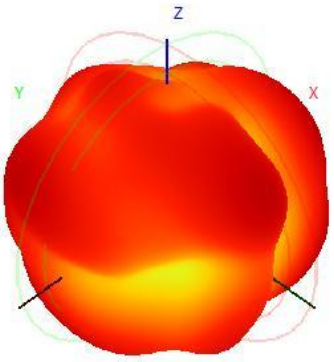
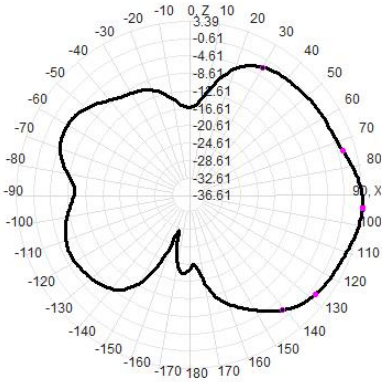
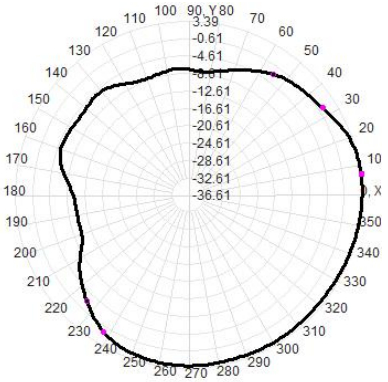
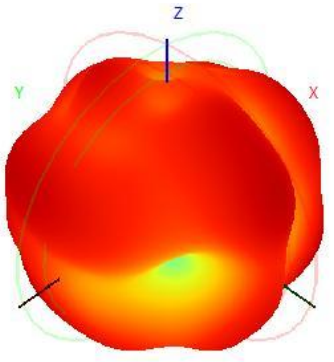
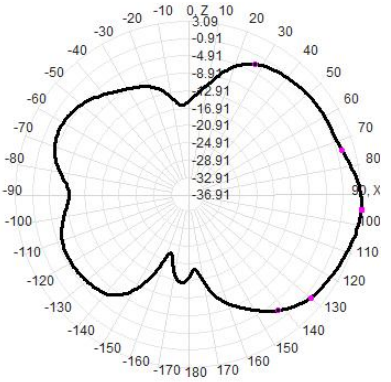
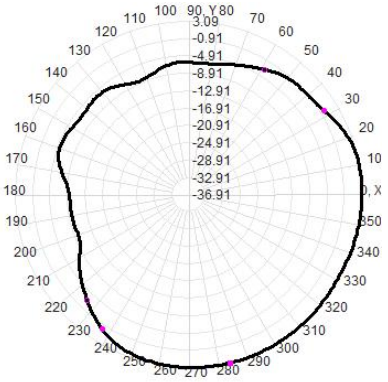
Product Drawing



Test Report of Network Analyzer: Standing Wave Ratio



2.4G　2D、3DRaditation Pattern

		
2.4G	Gain(Peak):4.35dBi	Efficiency:64.5%
		
2.45G	Gain(Peak):5.00dBi	Efficiency:61.5%
		
2.5G	Gain(Peak):3.91dBi	Efficiency:65.3%